

Supplementary Information

Spectroscopic investigation of interaction between bovine serum albumin and amine-functionalized silicon quantum dots

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Figure S1. FTIR spectrum of synthesized allylamine-capped silicon quantum dots.

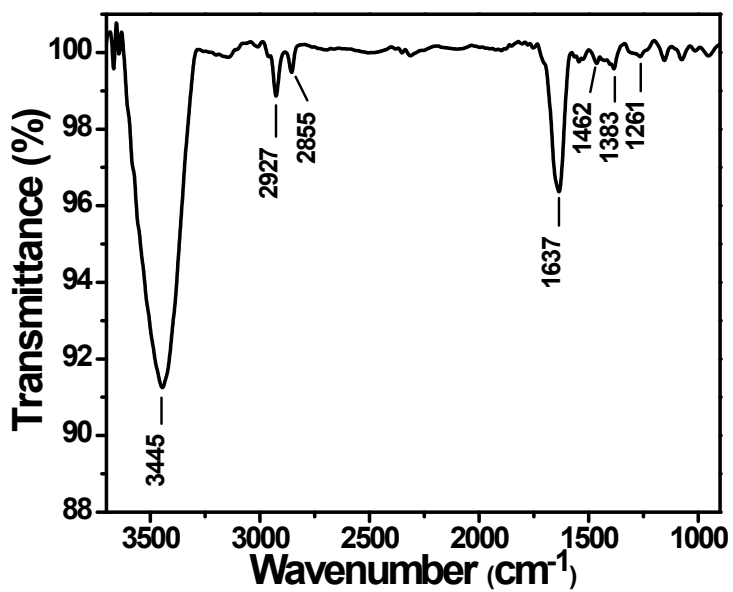


Figure S2. Photoluminescence (PL) spectra ($\lambda_{\text{ex}}=375$ nm) of Si QDs in absence (black dotted line) and presence (cyan solid line) of $2 \mu\text{M}$ BSA.

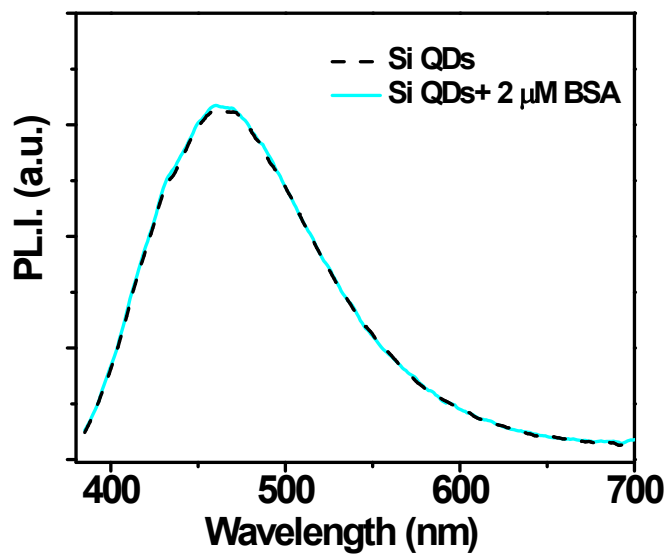


Figure S3. Spectroscopic determination of pK_a of allylamine-capped Si QDs. Plot of absorbance at 260 nm against pH of the solution. pK_a was determined from the point of inflection of the fitted sigmoidal curve.

